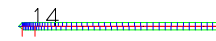
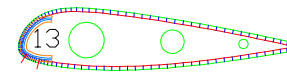
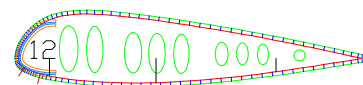
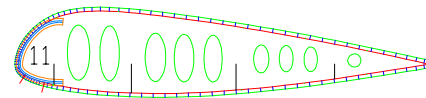
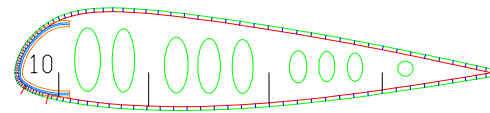
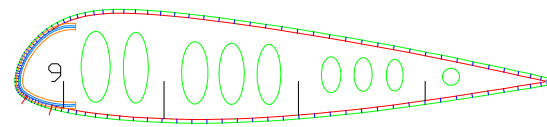
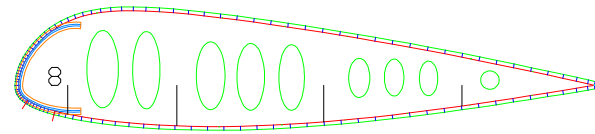
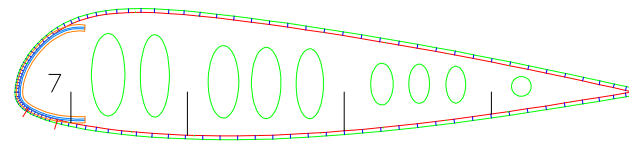
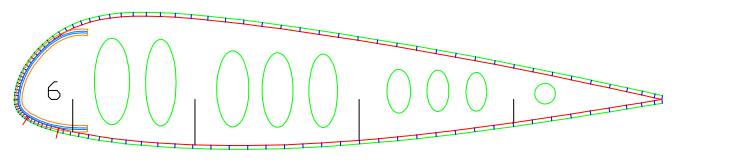
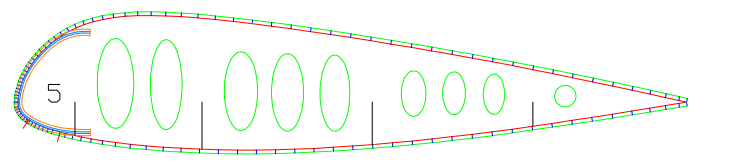
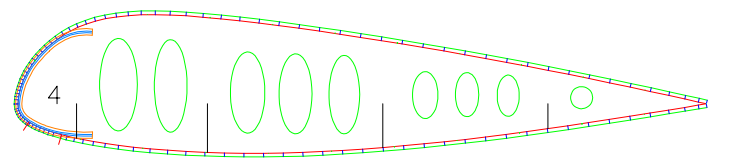
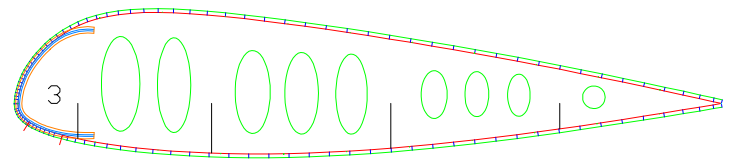
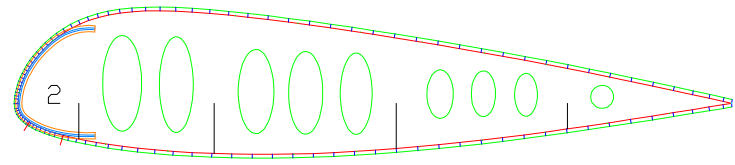
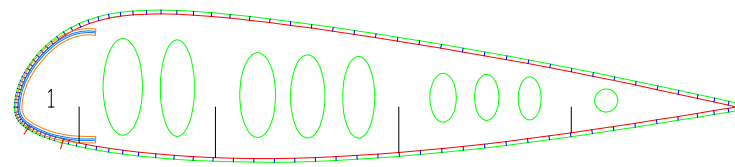
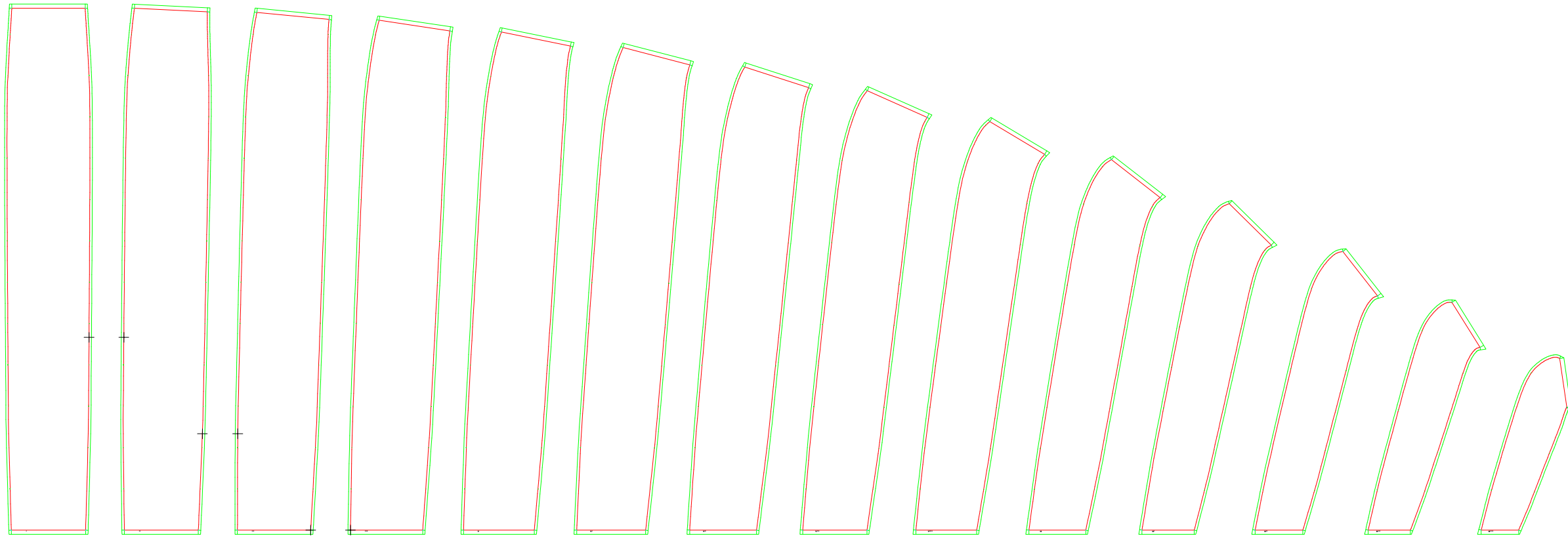


LABORATORI D'ENVOL gnuA1
 Flat area (m²) : 23.00
 Flat span (m) : 9.95
 Flat aspect ratio : 4.30
 Cells number : 27

1-1 PLANFORM AND VAULT



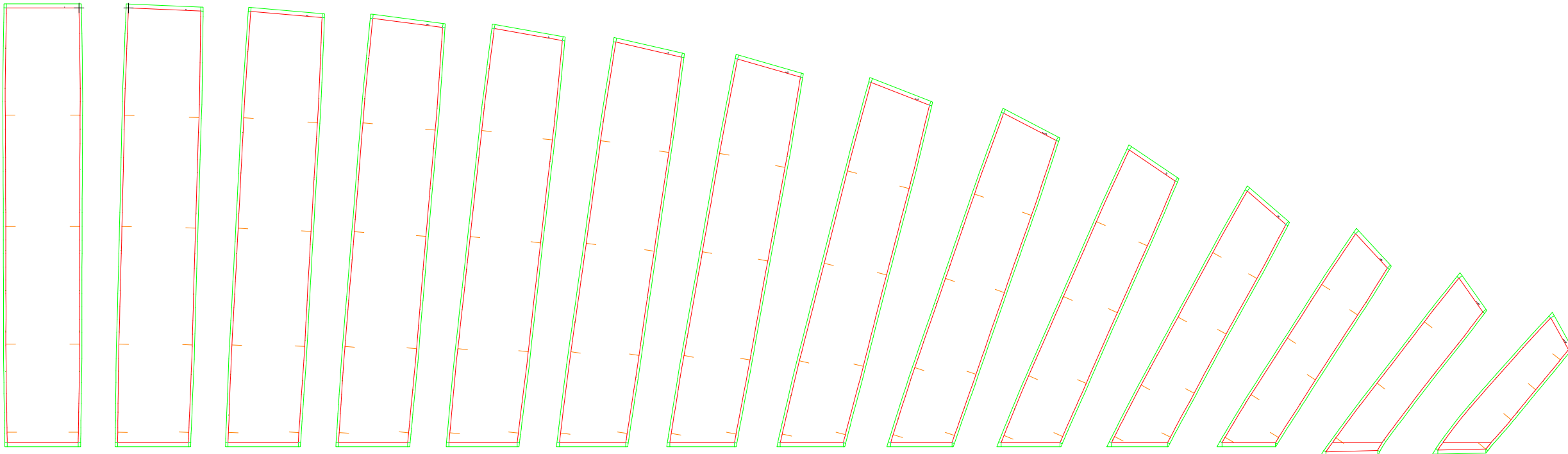
Leading edge



Trailing edge

1-3 EXTRADOS PANELS

Trailing edge



Leading edge

2-3 INTRADOS PANELS

0 1

4 5

8 9

0 1

4 5

8 9

0 1

4 5

8 9

0 1

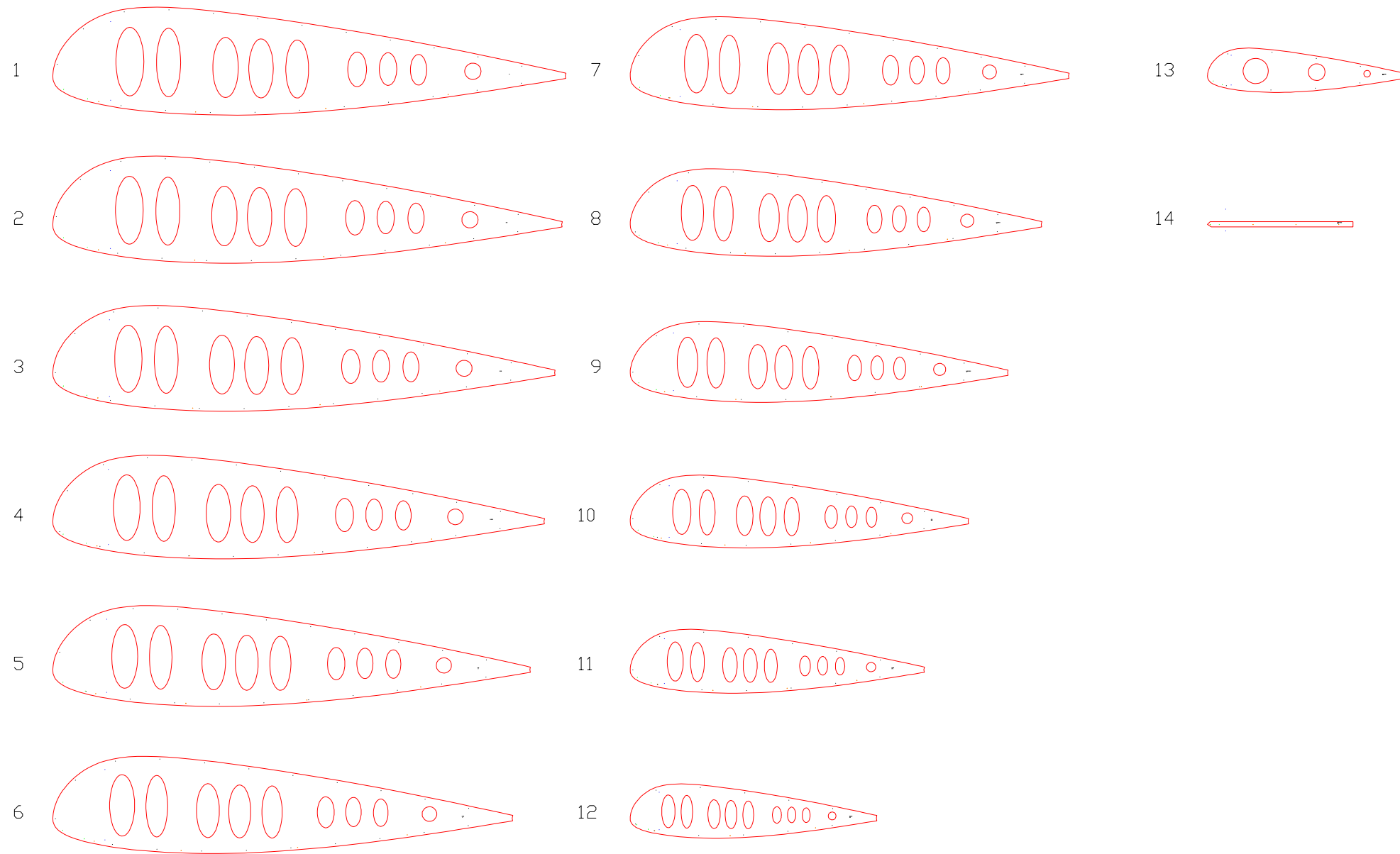
4 5

8 9



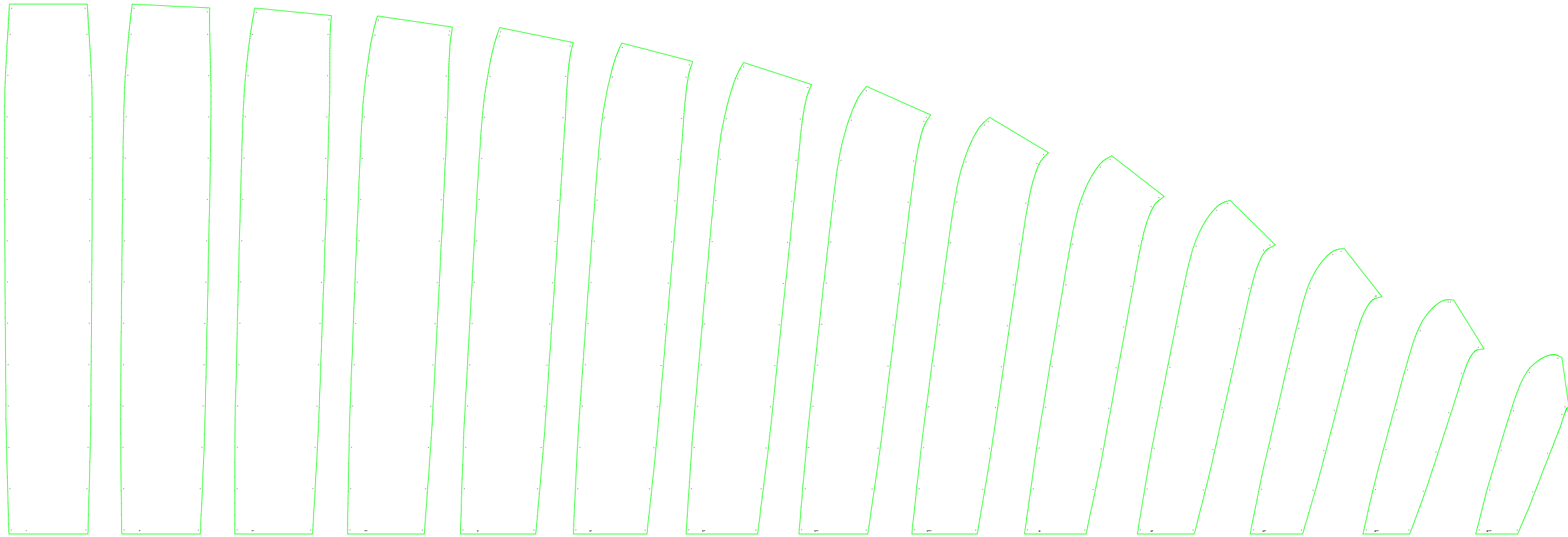
List of nylon rods (bloc 1)

Group 1		
Jonc 1	84.0	
Jonc 2	83.4	
Jonc 3	82.2	
Jonc 4	80.5	
Jonc 5	78.1	
Jonc 6	75.2	
Jonc 7	71.8	
Jonc 8	67.3	
Jonc 9	61.7	
Jonc 10	55.2	
Group 2		
Jonc 11	47.9	
Jonc 12	40.1	
Jonc 13	31.9	



1-4 RIBS (FOR CUTTING TABLE)

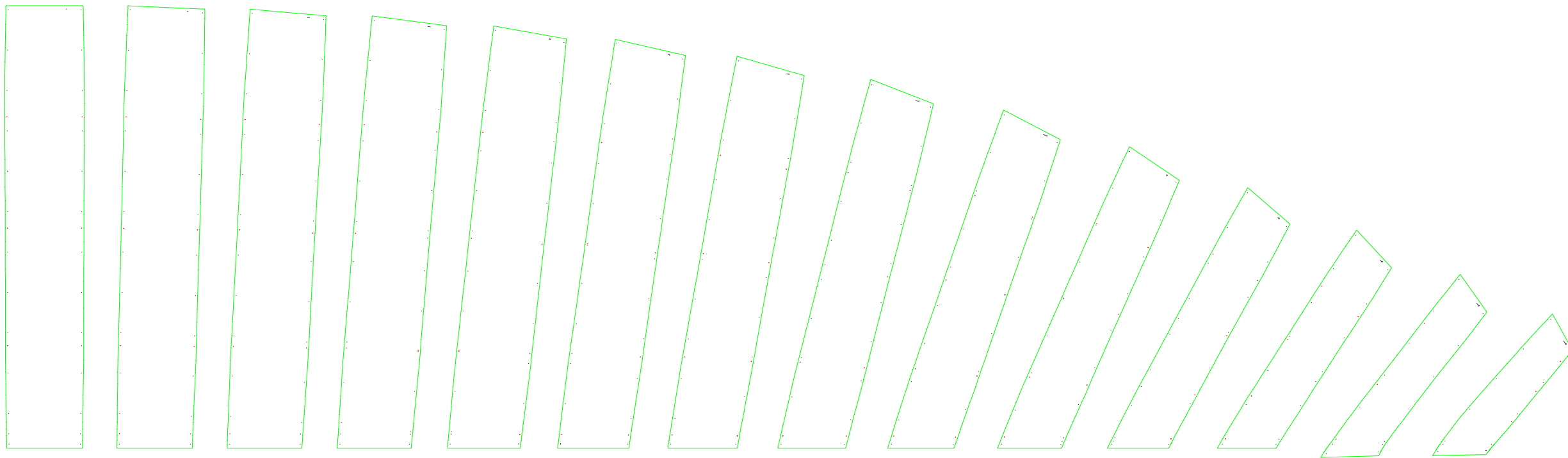
Leading edge



Trailing edge

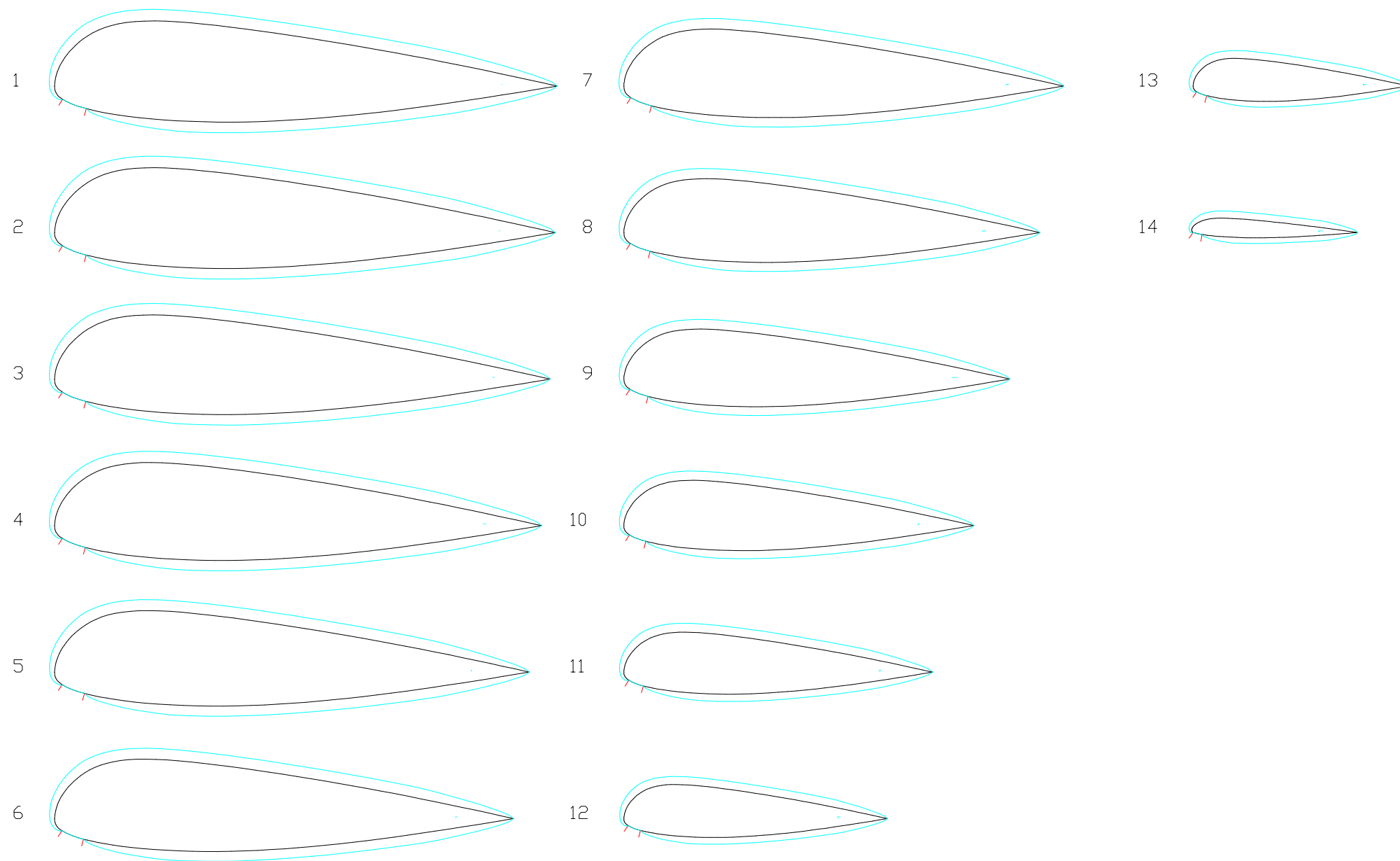
1-5 EXTRADOS PANELS (FOR CUTTING TABLE)

Trailing edge

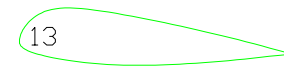
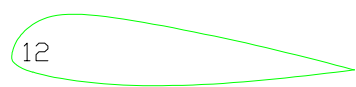
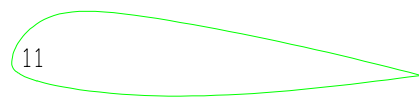
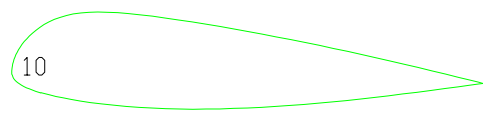
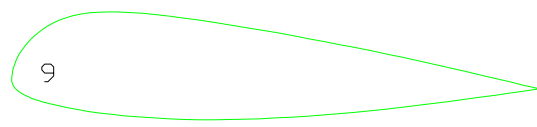
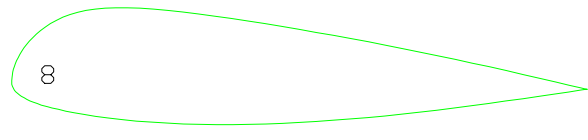
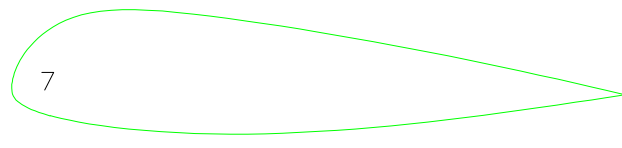
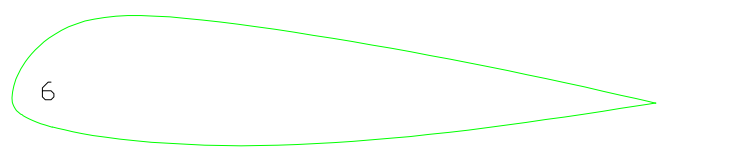
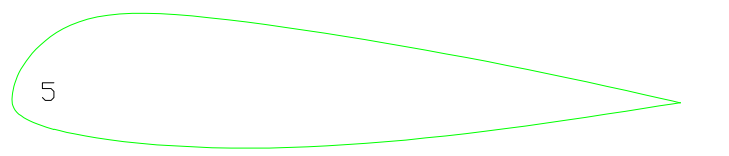
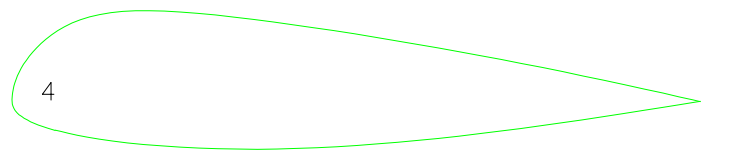
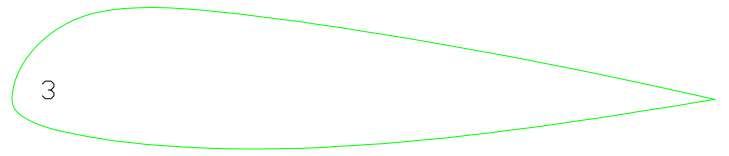
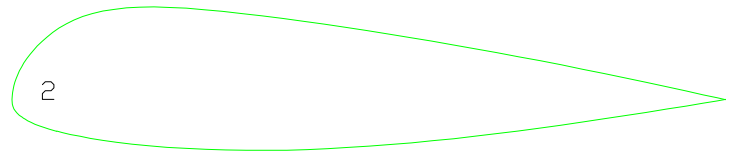
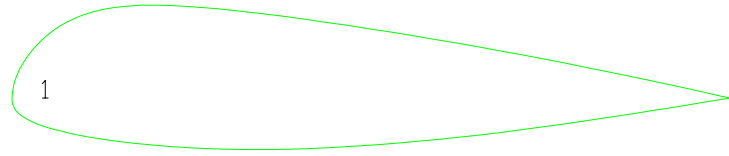


Leading edge

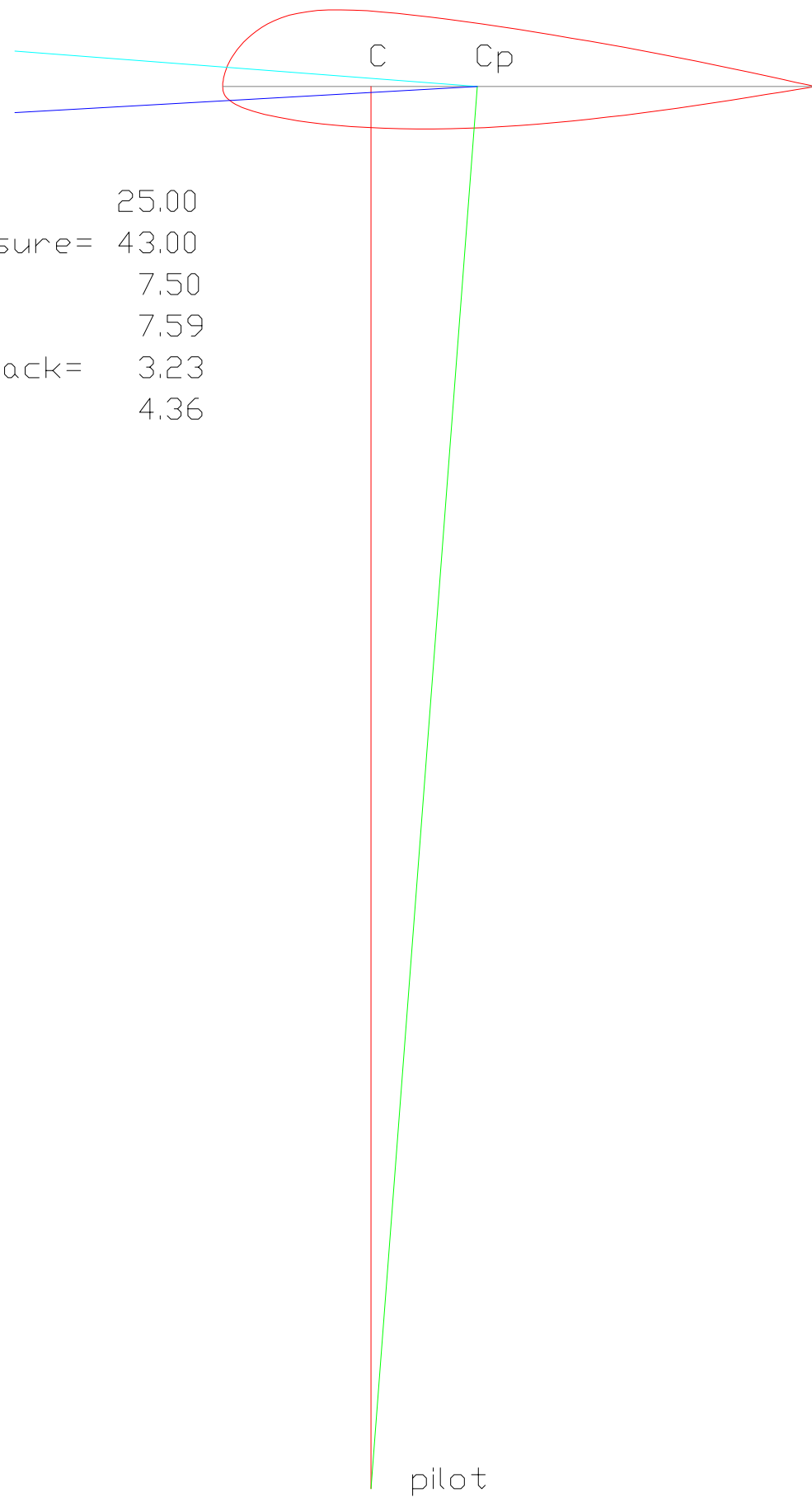
2-5 INTRADOS PANELS (FOR CUTTING TABLE)



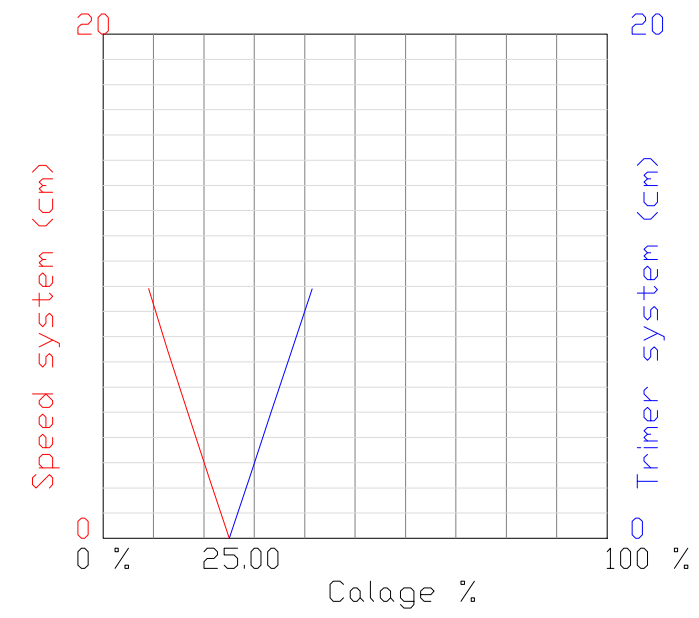
1-8 MIDDLE AND MIDDLE OVALIZED AIRFOILS



2-2 RIBS WASHIN ANGLE



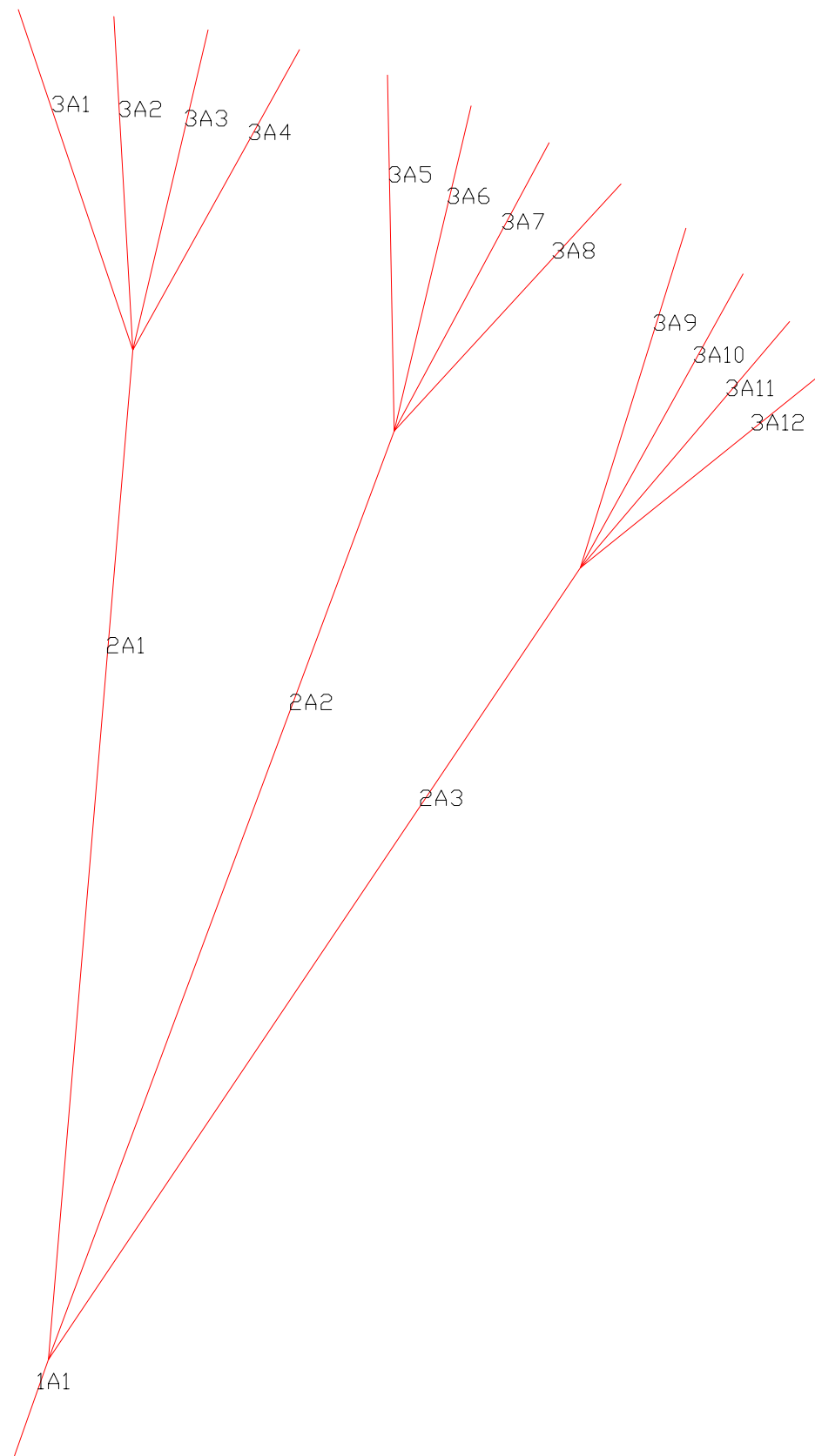
calage= 25.00
 center pressure= 43.00
 glide ratio= 7.50
 glide angle= 7.59
 angle of attack= 3.23
 assiette= 4.36



2-1 CALAGE ESTIMATION

Line - Label - Length

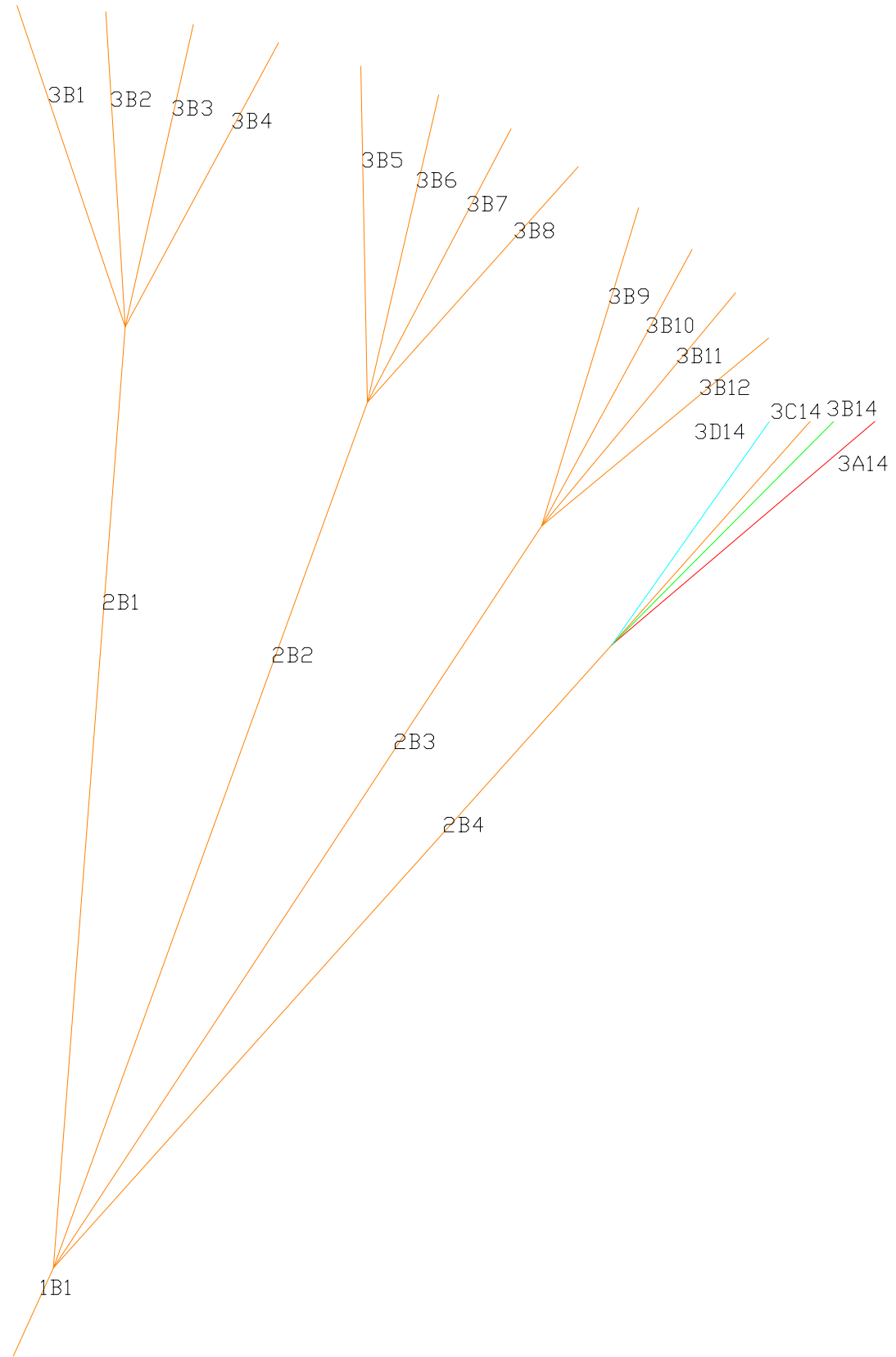
1	1A1	47.0
2	2A1	462.8
3	2A2	451.8
4	2A3	434.9
5	3A1	164.2
6	3A2	152.7
7	3A3	150.1
8	3A4	156.6
9	3A5	163.0
10	3A6	152.6
11	3A7	149.2
12	3A8	153.0
13	3A9	163.0
14	3A10	153.2
15	3A11	147.9
16	3A12	146.7



3-2 LINES A

Line - Label - Length

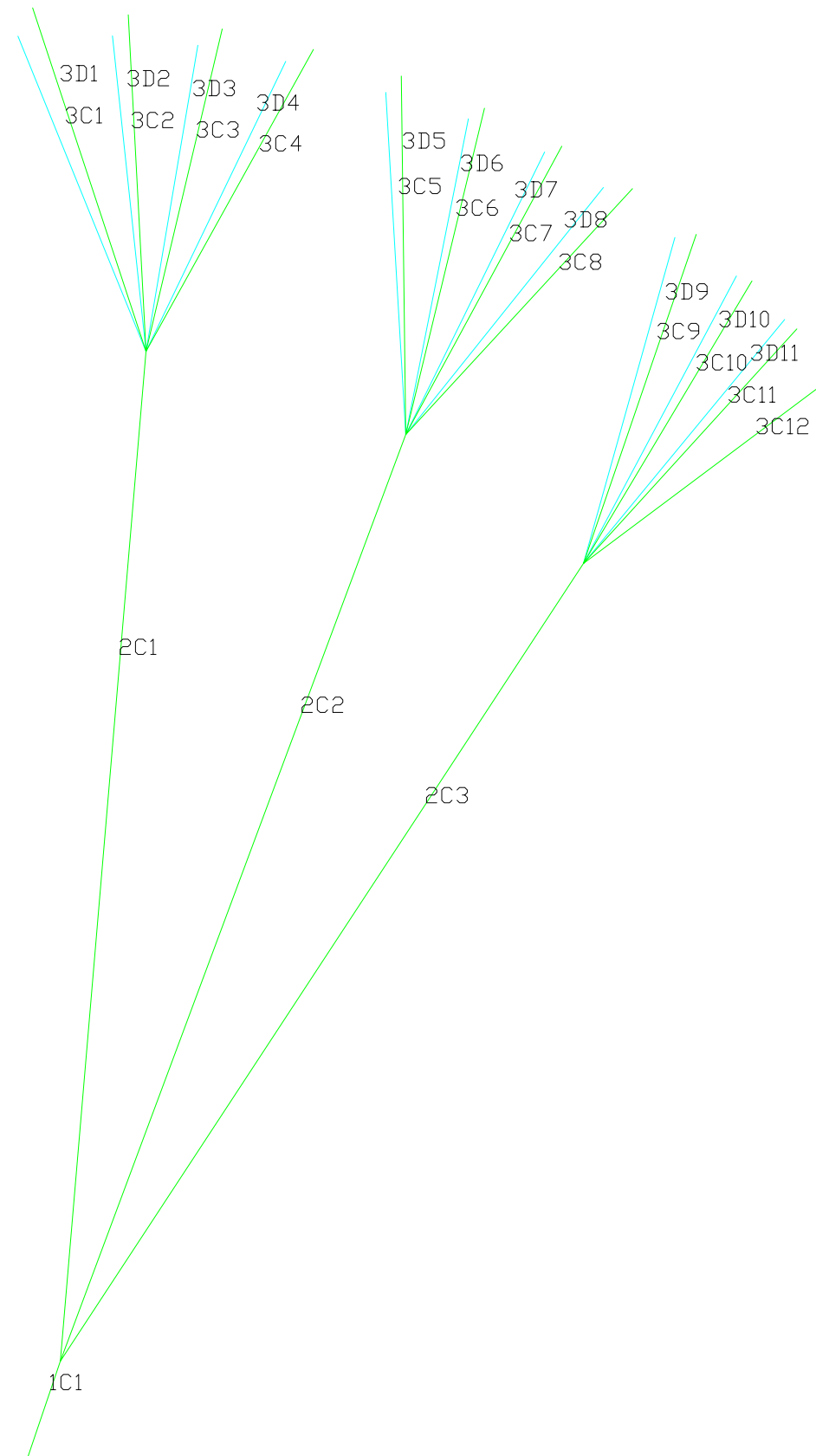
17	1B1	47.0
18	2B1	456.8
19	2B2	445.8
20	2B3	431.9
21	2B4	413.0
22	3B1	164.2
23	3B2	152.8
24	3B3	150.1
25	3B4	156.3
26	3B5	162.7
27	3B6	152.8
28	3B7	149.8
29	3B8	153.5
30	3B9	161.2
31	3B10	152.5
32	3B11	147.6
33	3B12	149.3
34	3A14	147.3
35	3B14	146.7
36	3C14	150.0
37	3D14	156.9



3-3 LINES B

Line - Label - Length

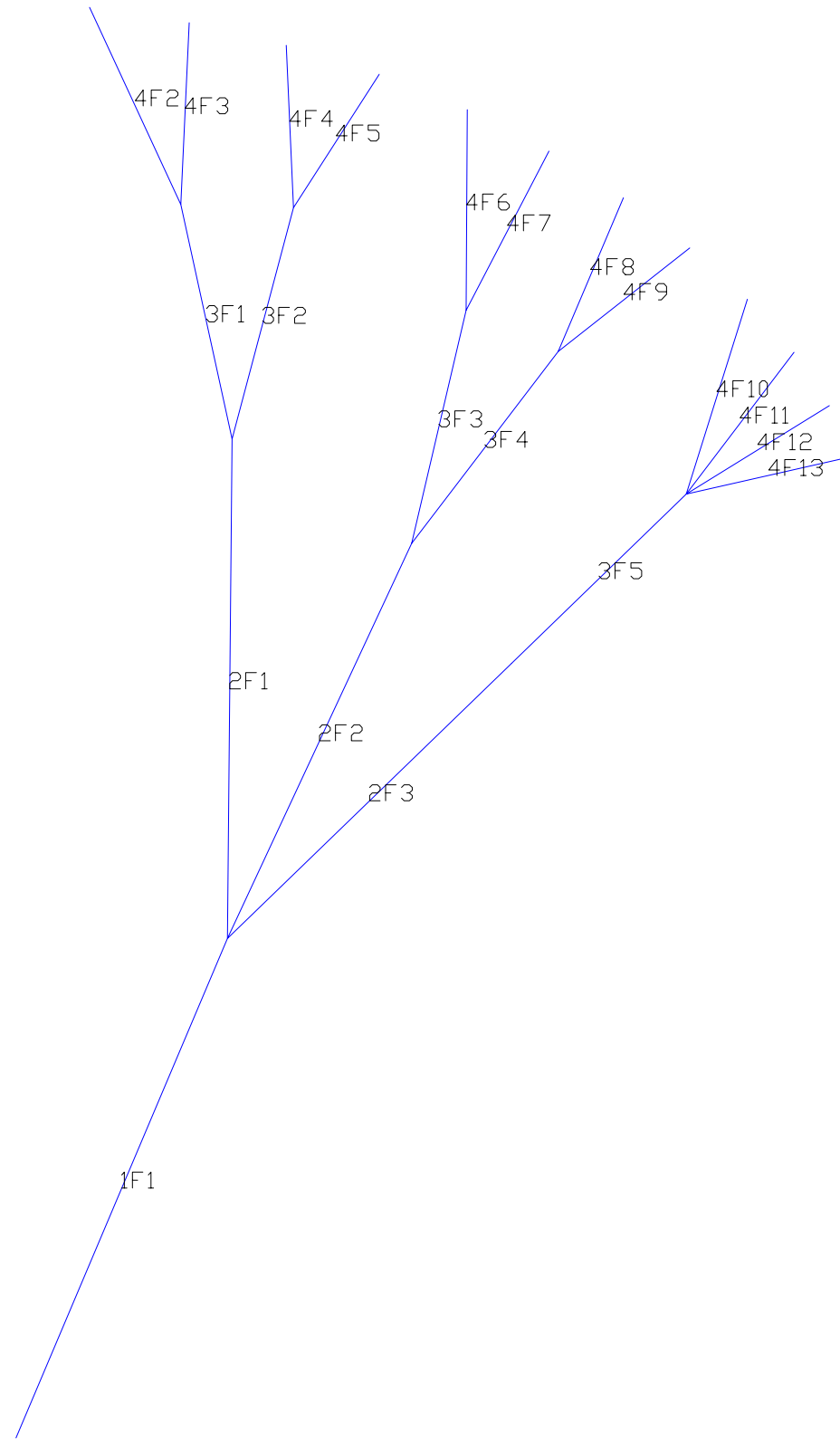
38	1C1	47.0
39	2C1	470.8
40	2C2	459.8
41	2C3	444.9
42	3C1	158.7
43	3C2	147.0
44	3C3	144.5
45	3C4	151.3
46	3D1	176.1
47	3D2	165.4
48	3D3	162.8
49	3D4	168.5
50	3C5	157.8
51	3C6	147.4
52	3C7	144.2
53	3C8	147.9
54	3D5	173.9
55	3D6	163.7
56	3D7	159.9
57	3D8	162.4
58	3C9	154.9
59	3C10	146.8
60	3C11	142.3
61	3C12	148.2
62	3D9	166.7
63	3D10	158.1
64	3D11	152.6



3-4 LINES C

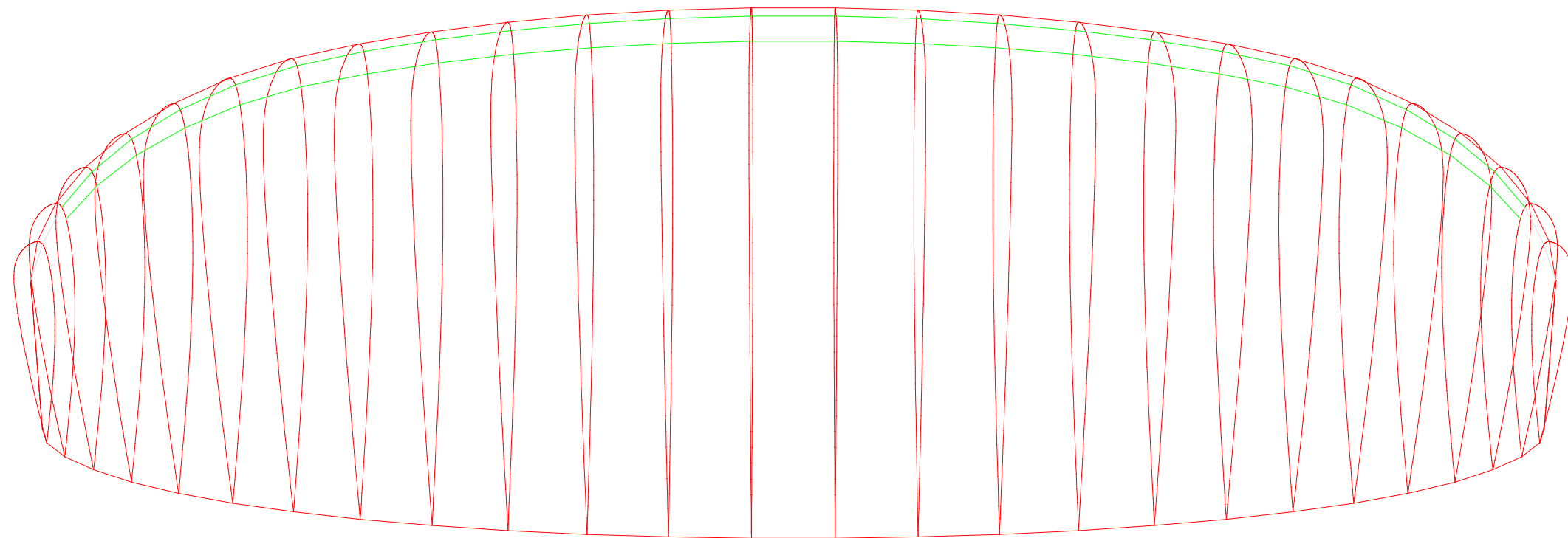
Line - Label - Length

65	1F1	249.0
66	2F1	230.0
67	2F2	200.0
68	2F3	179.0
69	3F1	110.0
70	3F2	110.0
71	3F3	110.0
72	3F4	110.0
73	3F5	110.0
74	4F2	99.0
75	4F3	83.8
76	4F4	74.7
77	4F5	72.2
78	4F6	92.3
79	4F7	82.2
80	4F8	76.5
81	4F9	75.4
82	4F10	94.1
83	4F11	81.1
84	4F12	75.3
85	4F13	74.7

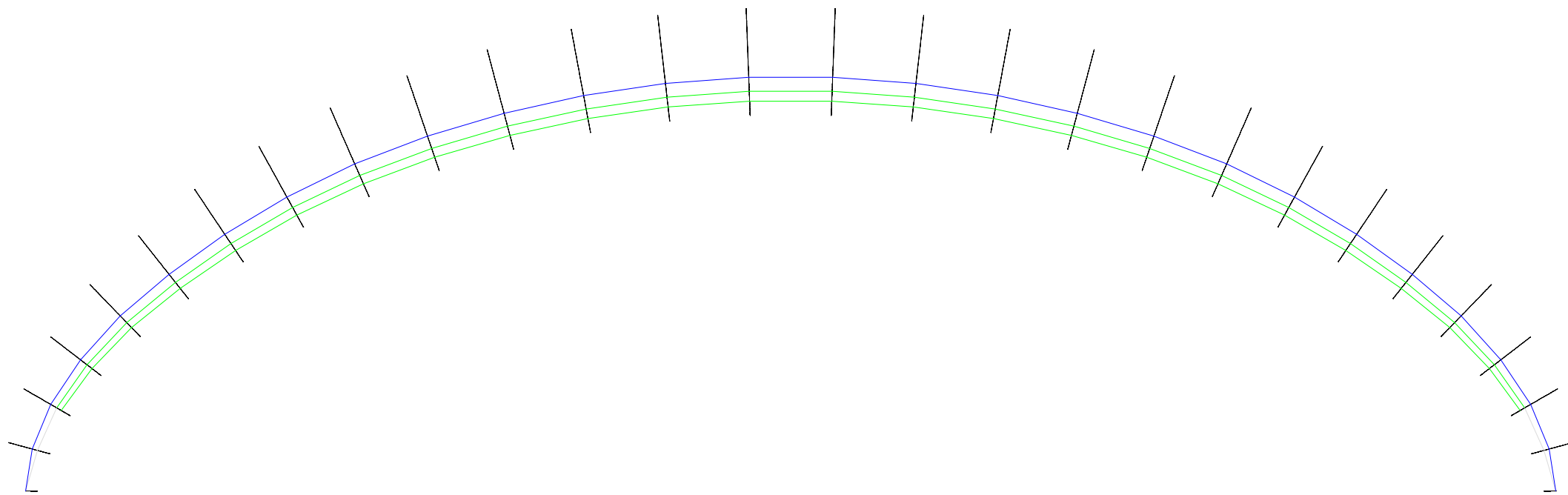


4-5 BRAKES

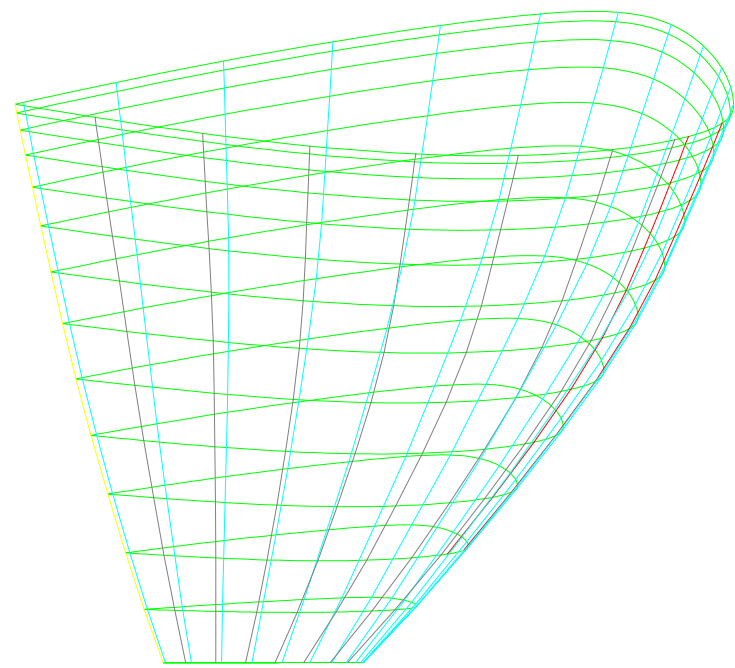




3-1 UPPER VIEW



4-1 VAULT VIEW



4-2 LATERAL VIEW

PLANS GENERAL NOTES

- 1-1: Planform and vault view (informative)
- 1-2: Ribs for plotter, one side
- 1-3: Extradados panels for plotter, one side
- 1-4: Ribs for laser cutting, one side. Units cm
- 1-5: Extradados for laser cutting, one side. Units cm
- 1-6: Middle unloaded ribs for laser cutting, one side Units cm
- 1-7: Rods pockets and nylons lengths, mylars
- 1-8: Intermediate and ovalized airfoils

- 2-1: Calage estimation, speed and trim systems
- 2-2: Ribs printed with washin angle (informative)
- 2-3: Intrados panels for plotter, one side
- 2-4: Mini-ribs horizontal and diagonal
- 2-5: Intrados for laser cutting, one side
- 2-6: Full diagonal ribs laser, one side
- 2-7: Free

- 3-1: Upper view 3D (informative)
- 3-2: Lines A
- 3-3: Lines B
- 3-4: Lines C
- 3-5: Lines D
- 3-6: V-rib type-6
- 3-7: Free

- 4-1: Vault view (informative)
- 4-2: Lateral view (informative)
- 4-3: Brake distribution (informative)
- 4-4: Free
- 4-5: Brake lines
- 4-6: Free
- 4-7: General notes

UNITS

Main units are centimeters. Scale x10 to use in mm

WIDTHS FOR SEWING AND OFFSETS

- Lateral width in extradados (mm): 15.00
- Width in leading edge ex (mm): 25.00
- Width in trailing edge ex (mm): 25.00
- Lateral width in intrados (mm): 15.00
- Width in leading edge in (mm): 25.00
- Width in trailing edge in (mm): 25.00
- Lateral width in ribs (mm): 15.00
- Lateral width in V-ribs (mm): 15.00
- General offset lateral points (mm): 1.20

- Distance between equidistant points (cm): 25.00

"ROMAN" NUMBERS CODIFICATION

Numbering panels, ribs, mini-ribs, V-ribs

- Number 1 =
- Number 2 =
- Number 3 =
- Number 4 =
- Number 5 =
- Number 6 =
- Number 7 =
- Number 8 =
- Number 9 =
- Number 10 =
- Number 11 =
- Number 12 =
- Number 13 =
- Number 14 =